

THAMES RIVER BASIN

01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT

LOCATION.--Lat 41°58'41", long 71°54'03", at Red Bridge Road, 0.5 mi south of North Grosvenordale, 0.45 mi downstream of Backwater Brook, 1.2 mi upstream of Stoud Brook.

DRAINAGE AREA.--101 mi².

PERIOD OF RECORD.--October 1991 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SOLVED SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)
NOV 17...	1100	65	183	7.6	8.0	7.0	3.2	12.4	103	400	58
JAN 19...	1310	434	270	6.9	10.0	1.5	4.4	14.2	103	400	164
MAR 10...	1215	335	163	7.1	3.0	2.0	1.6	14.1	104	110	32
MAY 11...	1200	70	245	7.8	19.0	19.0	2.1	9.6	103	K9	64
JUN 15...	1320	24	274	8.3	25.5	24.5	2.9	9.2	112	83	26
JUL 08...	1245	18	293	9.7	26.0	27.0	10	9.5	122	70	K72
AUG 03...	1330	14	359	9.4	22.0	25.0	10	11.8	146	52	180
SEP 09...	1200	7.8	408	9.3	27.5	24.5	17	9.9	121	300	240

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV 17...	27	8.3	1.5	22	3.0	0	33	27	7.6	25	<.10
JAN 19...	19	5.9	1.1	30	1.8	0	10	8	7.1	64	<.10
MAR 10...	20	6.1	1.2	20	1.8	0	10	8	7.8	35	<.10
MAY 11...	27	8.4	1.5	26	2.8	0	29	24	8.8	3.0	<.10
JUN 15...	33	10	1.8	40	4.0	0	57	47	11	43	<.10
JUL 08...	34	11	1.9	44	5.0	17	32	54	12	42	<.10
AUG 03...	34	10	2.0	62	5.8	14	67	79	11	47	<.10
SEP 09...	41	13	2.2	62	7.5	13	73	82	21	52	<.10

THAMES RIVER BASIN
01125100 FRENCH RIVER AT NORTH GROSVENORDALE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
NOV										
17...	3.6	111	108	.015	.942	.066	.44	.50	.51	1.4
JAN										
19...	3.9	142	151	.024	.487	.095	.34	.43	.31	.92
MAR										
10...	5.2	93	101	<.010	.460	.079	.25	.33	.30	.79
MAY										
11...	2.1	120	121	.011	.762	.071	.58	.65	.38	1.4
JUN										
15...	1.6	164	166	.048	1.36	.025	.97	.99	.71	2.4
JUL										
08...	3.0	176	171	.021	.439	<.020	--	1.6	.69	2.0
AUG										
03...	3.6	211	230	.015	.204	<.020	--	1.4	.74	1.6
SEP										
09...	3.5	235	240	.041	1.98	<.020	--	1.5	.89	3.5
DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
NOV										
17...	.155	.126	.113	15	<1.0	9.8	<1.0	<1.0	<1.0	<1.0
JAN										
19...	.078	.041	.028	27	<1.0	11	<1.0	<1.0	<1.0	<1.0
MAR										
10...	.044	.031	.035	35	<1.0	11	<1.0	<1.0	<1.0	<1.0
MAY										
11...	.083	.045	.048	48	<1.0	9.7	<1.0	<1.0	<1.0	<1.0
JUN										
15...	.132	.102	.067	46	<1.0	8.4	<1.0	<1.0	<1.0	<1.0
JUL										
08...	.201	.078	.069	84	<1.0	6.7	<1.0	<1.0	1.0	<1.0
AUG										
03...	E.042	.139	.106	120	<1.0	7.4	<1.0	<1.0	<1.0	<1.0
SEP										
09...	.164	.064	.042	186	<1.0	9.6	<1.0	<1.0	1.2	<1.0
DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV										
17...	3.7	190	<1.0	19	<1.0	<1.0	<1.0	4.7	<1.0	6.6
JAN										
19...	1.8	86	<1.0	66	<1.0	1.5	<1.0	12	<1.0	5.8
MAR										
10...	1.5	77	<1.0	27	<1.0	<1.0	<1.0	6.5	<1.0	4.6
MAY										
11...	3.7	180	<1.0	19	<1.0	<1.0	<1.0	2.8	<1.0	7.0
JUN										
15...	7.1	360	1.1	32	<1.0	1.1	<1.0	3.7	<1.0	7.0
JUL										
08...	5.4	280	<1.0	38	1.0	1.2	<1.0	2.1	<1.0	11
AUG										
03...	4.2	400	<1.0	48	<1.0	1.4	<1.0	1.7	<1.0	12
SEP										
09...	7.3	230	<1.0	30	<1.0	1.8	<1.0	2.4	<1.0	12